

Throttle Valve Apparatus For Controlling Fluid Flow

ABSTRACT

A throttle valve apparatus for controlling fluid flow is provided, which includes a first hollow body portion, a second hollow body portion, and an internal duct. The first hollow body portion, second hollow body portion, and the internal duct, each extends along a longitudinal axis of the apparatus. The duct is formed from a pliable membrane. The duct is attached to the first body portion at a first duct location. The duct is also attached to the second body portion at a second duct location. The first body portion and the first duct location are adapted to pivot about the longitudinal axis relative to the second body portion and the second duct location for twisting and untwisting the duct. Preferably, yet optionally, rods are in contact with the duct and extend generally along the longitudinal axis for supporting the duct.